

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Shinji Aoyama  
Title: CELLULAR TELEPHONE, AND METHOD AND  
APPARATUS FOR BACKUP OF DATA OF  
CELLULAR TELEPHONE  
Docket No.: 34169

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Prior to the examination of the above-identified  
patent application, it is requested that the following  
amendments be made.

IN THE CLAIMS:

Please amend claims 1 - 15 to read as follows.

- 1 1. (amended) A method for backing up data stored in  
2 a portable telephone such as a cellular phone, a personal  
3 handy phone, a car telephone, a maritime mobile  
4 radiotelephone, a satellite cellular phone machine or the  
5 like, said method comprising the steps of automatically  
6 transmitting data such as at least control information or  
7 setup function information required for operating said  
8 portable telephone, telephone call information of  
9 telephone numbers, arrival telephone numbers, dispatch  
10 telephone numbers, call time and so onset and stored in

09980056-112901



1           4. (amended) A data backup method for a portable  
2 telephone as set forth in claim 3, characterized by  
3 further comprising the step of arbitrarily selecting and  
4 setting said data to be transmitted to said host office  
5 or said data to be fed back to said portable telephone  
6 from said data backup equipment provided in or connected  
7 to said host office.

1           5. (amended) A data backup method for a portable  
2 telephone as set forth in claim 3, characterized by  
3 further comprising the step of automatically processing  
4 or converting into other information said data  
5 transmitted from said portable telephone to said data  
6 backup equipment provided in or connected to said host  
7 office in case that said data have such predetermined  
8 conditions as said data are required to be processed  
9 whereby said processed or converted data are fed back.

1           6. (amended) A portable telephone such as a cellular  
2 phone, a personal handy phone, a car telephone, a  
3 maritime mobile radiotelephone, a satellite cellular  
4 phone machine or the like equipped with a telephone call  
5 section which delivers and receives a voice signal  
6 through a radio signal between said portable telephone  
7 and a host office so as to enable a telephone call with a



4 said data stored in said data backup equipment provided  
5 in or connected to said host office whereby said data is  
6 re-memorized in said portable telephone.

1 9. (amended) A portable telephone as set forth in  
2 claim 8, characterized by further comprising a telephone  
3 side data selection section to arbitrarily select and set  
4 said data to be transmitted to said host office by said  
5 data transmitter section or said data to be fed back to  
6 said portable telephone from said host office by said  
7 data feedback section.

1 10. (amended) Data backup equipment for backing up  
2 data stored in a portable telephone such as a cellular  
3 phone, a personal handy phone, a car telephone, a  
4 maritime mobile radiotelephone, a satellite cellular  
5 phone machine or the like, said data backup equipment  
6 characterized by comprising a notification section to  
7 automatically notify said portable telephone at an  
8 arbitrary time set by a timer that data such as control  
9 information or setup function information required for  
10 operating said portable telephone, a telephone call  
11 information of telephone numbers, arrival telephone  
12 numbers, dispatch telephone numbers, call time and so on  
13 set and stored in said portable telephone should be  
14 transmitted to a host office.

00980056-412901  
TOP SECRET

1           11. (amended) Data backup equipment for backing up  
2 data stored in portable telephone such as a cellular  
3 phone, a personal handy phone, a car telephone, a  
4 maritime mobile radiotelephone, a satellite cellular  
5 phone machine or the like, said data backup equipment  
6 characterized by comprising a data read section provided  
7 in or connected to a host office which delivers and  
8 receives a voice signal through a radio signal between  
9 said portable telephone and said host office so as to  
10 enable a telephone call with a called person to ,  
11 automatically read data such as control information or  
12 setup function information required for operating said  
13 portable telephone, a telephone call information of  
14 telephone numbers, arrival telephone numbers, dispatch  
15 telephone numbers, call time and so on set and stored in  
16 said portable telephone in association with a telephone  
17 call operation when said voice signal begins to be  
18 delivered and received for said telephone call between  
19 said portable telephone and said host office via said  
20 radio signal whereby said data read by said data read  
21 section are stored.

1           12. (amended) Data backup equipment for a portable  
2 telephone as set forth in claim 11, wherein said data  
3 read section automatically reads said data such as

4 control information or setup function information  
5 required for operating said portable telephone, a  
6 telephone call information of telephone numbers, arrival  
7 telephone numbers, dispatch telephone numbers, call time  
8 and so on or other arbitrary data set and stored in said  
9 portable telephone at an arbitrary time set by a timer.

1 13. (amended) Data backup equipment for a portable  
2 telephone as set forth in either of claims 10 through 12,  
3 characterized by further comprising a feedback data  
4 transmitter section to feed back said stored data to said  
5 portable telephone whereby said data is re-memorized in  
6 said portable telephone.

1 14. (amended) Data backup equipment for a portable  
2 telephone as set forth in claim 13, characterized by  
3 further comprising a host office side data selection  
4 section to arbitrarily select and set said data to be  
5 read from said portable telephone by said data read  
6 section or said data to be fed back to said portable  
7 telephone by said feedback data transmitter section.

1 15. (amended) Data backup equipment for a portable  
2 telephone as set forth in either of claims 11 or 12,  
3 characterized by further comprising a data process  
4 section to automatically process or convert into other

5 information said data received from said portable  
6 telephone in case that said data have such predetermined  
7 conditions as said data are required to be processed.

The following claims 16 - 19 are added herein.

1 16. (new) A data backup method for a portable  
2 telephone as set forth in claims 1 or 2, characterized by  
3 further comprising the step of automatically processing  
4 or converting into other information said data  
5 transmitted from said portable telephone to said data  
6 backup equipment provided in or connected to said host  
7 office in case that said data have such predetermined  
8 conditions as said data are required to be processed  
9 whereby said processed or converted data are fed back.

1 17. (new) A data backup method for a portable  
2 telephone as set forth in claim 4, characterized by  
3 further comprising the step of automatically processing  
4 or converting into other information said data  
5 transmitted from said portable telephone to said data  
6 backup equipment provided in or connected to said host  
7 office in case that said data have such predetermined  
8 conditions as said data are required to be processed  
9 whereby said processed or converted data are fed back.

0980056 112901



1           18. (new) Data backup equipment for a portable  
2 telephone as set forth in claim 13, characterized by  
3 further comprising a data process section to  
4 automatically process or convert into other information  
5 said data received from said portable telephone in case  
6 that said data have such predetermined conditions as said  
7 data are required to be processed.

1           19. (new) Data backup equipment for a portable  
2 telephone as set forth in claim 14, characterized by  
3 further comprising a data process section to  
4 automatically process or convert into other information  
5 said data received from said portable telephone in case  
6 that said data have such predetermined conditions as said  
7 data are required to be processed.

09980056-112901

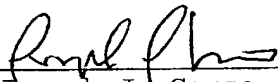
REMARKS

The foregoing amendments corrects multiple claim dependency and conform the claims to U.S. claim style.

Attached hereto are sheets entitled "VERSION WITH MARKINGS TO SHOW CHANGES MADE".

If there are any fees required by this amendment not covered by an enclosed check, or if no check is enclosed, please charge the same to Deposit Account No. 16-0820, Order No. 34169.

Respectfully submitted,

By:   
Joseph J. Corso, Reg. No. 25845

526 Superior Avenue East  
Suite 1200  
Cleveland, Ohio 44114-1484  
(216) 579-1700

November 29, 2001

09980056 112901

VERSION WITH MARKINGS TO SHOW CHANGES MADE

Claims 1 - 15 have been amended as follows:

0990056-112901

1           1. (amended) A method for backing up data stored in  
2   a portable telephone [(10)] such as a cellular phone, a  
3   personal handy phone, a car telephone, a maritime mobile  
4   radiotelephone, a satellite cellular phone machine or the  
5   [likes] like, said method comprising the steps of  
6   automatically transmitting data such as at least control  
7   information or setup function information required for  
8   operating said portable telephone, telephone call  
9   information of telephone numbers, arrival telephone  
10   numbers, dispatch telephone numbers, call time and so  
11   onset and stored in said portable telephone in  
12   association with a telephone call operation when a voice  
13   signal begins to be delivered and received for the  
14   telephone call between said portable telephone and a host  
15   office [(12)] via a radio signal and storing said data  
16   transmitted from said portable telephone in a data backup  
17   equipment [(14)] provided in or connected to said host  
18   office where by said data stored in said portable  
19   telephone are backed up.

1           2. (amended) A data backup method for a portable  
2   telephone as set forth in claim 1, [and] characterized by

3 automatically transmitting to said host office said data  
4 such as control information or setup function information  
5 required for operating said portable telephone, a  
6 telephone call information of telephone numbers, arrival  
7 telephone numbers, dispatch telephone numbers, call time  
8 and so on or other arbitrary data set and stored in said  
9 portable telephone at an arbitrary time set by a timer  
10 [(26)].

1 3. (amended) A data backup method for a portable  
2 telephone as set forth in claim 1 or 2, [and]  
3 characterized by further comprising the step of feeding  
4 back to said portable telephone said data stored in said  
5 data backup equipment provided in or connected to said  
6 host office whereby said data is re-memorized in said  
7 portable telephone.

1 4. (amended) A data backup method for a portable  
2 telephone as set forth in [either of claims 1 through 3  
3 and] claim 3, characterized by further comprising the  
4 step of arbitrarily selecting and setting said data to be  
5 transmitted to said host office or said data to be fed  
6 back to said portable telephone from said data backup  
7 equipment provided in or connected to said host office.

1           5. (amended) A data backup method for a portable  
2 telephone as set forth in [either of claims 1 through 4  
3 and] claim 3, characterized by further comprising the  
4 step of automatically processing or converting into other  
5 information said data transmitted from said portable  
6 telephone to said data backup equipment provided in or  
7 connected to said host office in case that said data have  
8 such predetermined conditions as said data are required  
9 to be processed whereby said processed or converted data  
10 are fed back.

1           6. (amended) A portable telephone [(10)] such as a  
2 cellular phone, a personal handy phone, a car telephone,  
3 a maritime mobile radiotelephone, a satellite cellular  
4 phone machine or the [likes] like equipped with a  
5 telephone call section which delivers and receives a  
6 voice signal through a radio signal between said portable  
7 telephone and a host office [(12)] so as to enable a  
8 telephone call with a called person, said portable  
9 telephone characterized by comprising a data transmitter  
10 section [(16)] to automatically transmit data such as  
11 control information or setup function information  
12 required for operating said portable telephone, a  
13 telephone call information of telephone numbers, arrival  
14 telephone numbers, dispatch telephone numbers, call time  
15 and so on set and stored in said portable telephone in

16 association with a telephone call operation when a voice  
17 signal begins to be delivered and received for said  
18 telephone call between said portable telephone and said  
19 host office via said radio signal.

1 7. (amended) A portable telephone as set forth in  
2 claim 6, [and] wherein said data transmitter section  
3 characterized by automatically transmitting to said host  
4 office said data such as control information or setup  
5 function information required for operating said portable  
6 telephone, a telephone call information of telephone  
7 numbers, arrival telephone numbers, dispatch telephone  
8 numbers, call time and so on or other arbitrary data set  
9 and stored in said portable telephone at an arbitrary  
10 time set by a timer [(26)].

1 8. (amended) A portable telephone as set forth in  
2 claim 6 or 7, [and] characterized by further comprising a  
3 data feedback section [(32)] to feed back to said  
4 portable telephone said data stored in said data backup  
5 equipment provided in or connected to said host office  
6 whereby said data is re-memorized in said portable  
7 telephone.

1 9. (amended) A portable telephone as set forth in  
2 claim [6 or 7, and] 8, characterized by further

0980055-112901

3 comprising a telephone side data selection section [(36)]  
4 to arbitrarily select and set said data to be transmitted  
5 to said host office by said data transmitter section or  
6 said data to be fed back to said portable telephone from  
7 said host office by said data feedback section.

1 10. (amended) [A data] Data backup equipment [(14)]  
2 for backing up data stored in a portable telephone [(10)]  
3 such as a cellular phone, a personal handy phone, a car  
4 telephone, a maritime mobile radiotelephone, a satellite  
5 cellular phone machine or the [likes] like, said data  
6 backup equipment characterized by comprising a  
7 notification section [(30)] to automatically notify said  
8 portable telephone at an arbitrary time set by a timer  
9 [(28)] that data such as control information or setup  
10 function information required for operating said portable  
11 telephone, a telephone call information of telephone  
12 numbers, arrival telephone numbers, dispatch telephone  
13 numbers, call time and so on set and stored in said  
14 portable telephone should be transmitted to a host office  
15 [(12)].

1 11. (amended) [A data] Data backup equipment [(14)]  
2 for backing up data stored in portable telephone [(10)]  
3 such as a cellular phone, a personal handy phone, a car  
4 telephone, a maritime mobile radiotelephone, a satellite

09580056-112901

5 cellular phone machine or the [likes] like, said data  
6 backup equipment characterized by comprising a data read  
7 section [(42)] provided in or connected to a host office  
8 [(12)] which delivers and receives a voice signal through  
9 a radio signal between said portable telephone and said  
10 host office so as to enable a telephone call with a  
11 called person to automatically read data such as control  
12 information or setup function information required for  
13 operating said portable telephone, a telephone call  
14 information of telephone numbers, arrival telephone  
15 numbers, dispatch telephone numbers, call time and so on  
16 set and stored in said portable telephone in association  
17 with a telephone call operation when said voice signal  
18 begins to be delivered and received for said telephone  
19 call between said portable telephone and said host office  
20 via said radio signal whereby said data read by said data  
21 read section are stored.

1 12. (amended) [A data] Data backup equipment for a  
2 portable telephone as set forth in claim 11, [and]  
3 wherein said data read section automatically reads said  
4 data such as control information or setup function  
5 information required for operating said portable  
6 telephone, a telephone call information of telephone  
7 numbers, arrival telephone numbers, dispatch telephone  
8 numbers, call time and so on or other arbitrary data set



9 and stored in said portable telephone at an arbitrary  
10 time set by a timer [(28)].

1 13. (amended) [A data] Data backup equipment for a  
2 portable telephone as set forth in either of claims 10  
3 through 12, [and] characterized by further comprising a  
4 feedback data transmitter section [(34)] to feed back  
5 said stored data to said portable telephone whereby said  
6 data is re-memorized in said portable telephone.

1 14. (amended) [A data] Data backup equipment for a  
2 portable telephone as set forth in [either of claims 10  
3 through 13, and] claim 13, characterized by further  
4 comprising a host office side data selection section  
5 [(38)] to arbitrarily select and set said data to be read  
6 from said portable telephone by said data read section or  
7 said data to be fed back to said portable telephone by  
8 said feedback data transmitter section.

1 15. (amended) [A data] Data backup equipment for a  
2 portable telephone as set forth in either of claims [10  
3 through 14 and] 11 or 12, characterized by further  
4 comprising a data process section [(40)] to automatically  
5 process or convert into other information said data  
6 received from said portable telephone in case that said

- 7 data have such predetermined conditions as said data are
- 8 required to be processed.

Claims 16 - 19 have been added, and no marked-up version is required.

09980055.412901